

WHAT IS CLAIMED IS:

1. A display apparatus for displaying a stereoscopic image by superimposing a plurality of images on a view line of a viewer, said plurality of
5 images spaced from each other by a predetermined distance, said display apparatus comprising:

(i) a first display unit including a display device having a plurality of first emission areas for emitting a light, disposed in a discrete manner in a plane of a display screen and a plurality of transmission areas for
10 transmitting a light, disposed in a discrete manner in the plane of the display screen except for areas occupied by said plurality of first emission areas; and

(ii) a second display unit disposed behind the first display unit as seen from the viewer.

15 2. The display apparatus according to Claim 1, wherein said second display unit includes another display device having a plurality of second emission areas for emitting a light, disposed in a discrete manner at least partially in a plane of a display screen.

20 3. The display apparatus according to Claim 2, wherein each of said plurality of second emission areas is disposed for each pixel or for a plurality of pixels in the plane.

4. The display apparatus according to Claim 2, wherein each of said
25 plurality of second emission areas is disposed so as to align with each of said plurality of transmission areas.

5. The display apparatus according to Claim 2, wherein each of said plurality of second emission areas is of a size the same as that of each of said plurality of transmission areas.

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6. The display apparatus according to Claim 1, wherein said second display unit is an electroluminescence display device.

7. A display device comprising:

10 a plurality of emission areas for emitting a light, disposed in a discrete manner in a plane of a display screen; and

a plurality of transmission areas for transmitting a light, disposed in a discrete manner in the plane of the display screen except for areas occupied by said plurality of emission areas.

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8. The display device according to Claim 7, wherein each of said plurality of emission areas is disposed for each pixel or for a plurality of pixels in the plane.

20 9. The display device according to Claim 7, wherein at least one of said plurality of emission areas and at least one of said plurality of transmission areas is disposed in a same pixel.

10 The display device according to Claim 7, wherein each of said plurality
25 of emission areas has an electroluminescence emission layer and a reflection layer disposed behind the electroluminescence emission layer as seen from the

said display screen, and

said plurality of transmission areas has light transmissive areas that are positioned in interstitial areas where said reflection layer is not formed.

5 11. The display device according to Claim 10, wherein said reflection layer is a metal electrode layer acting as one of a pair of electrodes for applying a drive voltage to said electroluminescence emission layer from its behind.

10 12. The display device according to Claim 11, wherein the other of said pair of electrodes is a transparent electrode layer disposed toward the front of said electroluminescence emission layer as seen from the display screen.